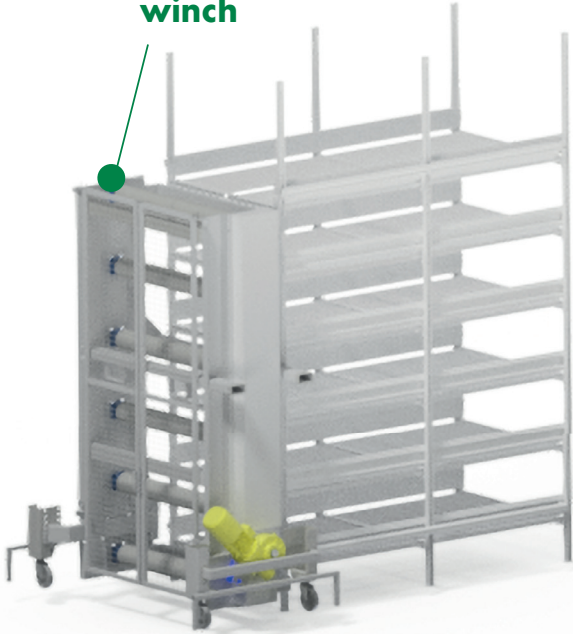




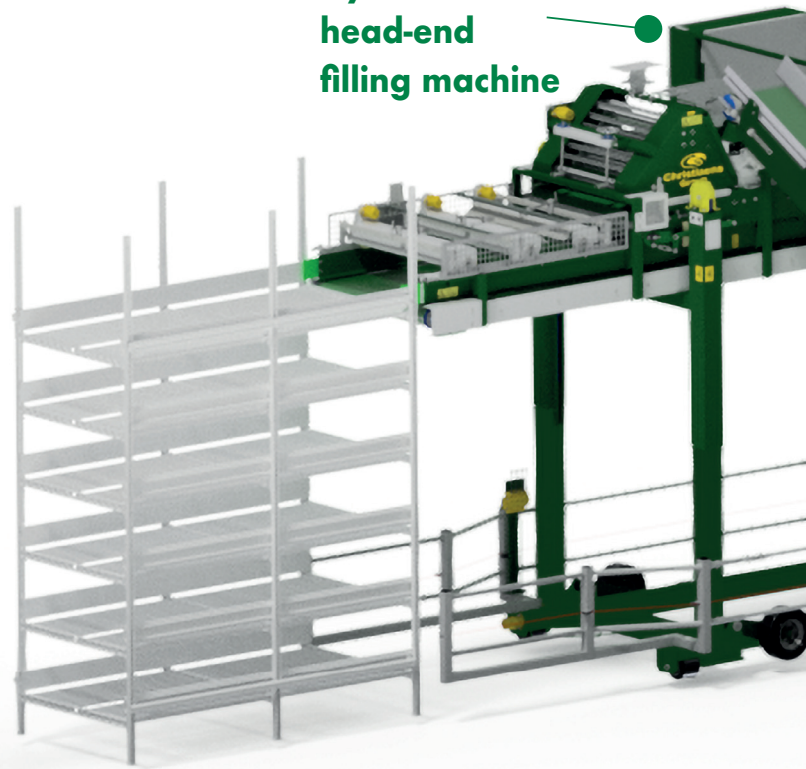
GROWING ROOM MACHINERY

FILLING

Pulling winch



Hydraulic head-end filling machine



COMPOST HOPPER FOR BEHIND MF TRAILER

A perfect fill starts with an even raw material supply into the head-end filling machine. This hopper buffers the flow from the moving floor trailer. This ensures an even flow of compost to the head-end filling machine to ensure constant and even filling. This hopper can also be used for casing.



FEATURES

- Galvanised steel chassis with stainless steel sheeting in the bin
- Chain floor drive via V-belt
- Base speed adjustable via 3 presets
- Current of mixing axle measured and linked to frequency inverter to ensure even flow
- Kickback drum
- Centring conveyors for centre output (optional cross conveyor for side output)



Compost conveyor

Compost hopper

Casing conveyor

Casing soil hopper

CASING HOPPER

Used as a buffer to the head-end filling machine. The hopper is filled by big bags, a Bobcat, or a small loader. This ensures an even flow of casing for constant and even filling. This hopper can also be used for compost in bulk or blocks.

FEATURES

- Galvanised steel chassis with stainless steel sheeting in the bin
- Kickback drum and chain drive, driven together by an electric motor

FILLING CONVEYOR FOR HEAD-END FILLING MACHINE

Used to transport substrate or casing to the head-end filling machine.

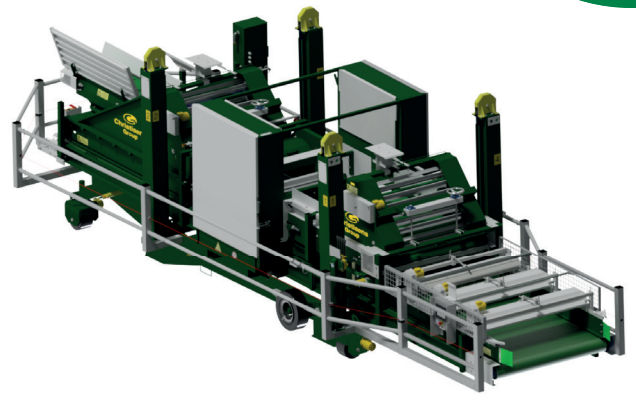
FEATURES

- Galvanised steel support frame
- Stainless steel conveyor frame
- Aluminium side boards
- Belt width: 800 mm for substrate, 600 mm for casing
- Drum motor
- On swivel wheels for easy manoeuvring

HEAD-END FILLING MACHINE

The function of the head-end filling machine is to fill the mushroom substrate and casing soil into the shelves perfectly, as easily and quickly as possible. A good fill is the basis for an optimal yield, in combination with good spreading to optimise the harvest.

For a lower budget, we also have an electric machine available which can perform one action at a time.



FEATURES

- Strong mild steel chassis, sandblasted and coated
- Stainless steel sheeting for parts in contact with compost and casing
- Filling speed: 6.3 m/min (other speeds available on request)
- Filling width: 1200 / 1340 / 1400 mm or customised internal shelf width
- Unique Christiaens setup with 2 × 2 lifting posts for leveling the inner frame
- Inner frame can be shifted toward the shelving
- Wireless control for filling functions
- Manoeuvring possible at each shelf level
- Ruffling/caccing axle
- Levelling axle
- Casing pressing roller
- LED flood lights
- Teleservice for remote service diagnostics
- Level sensors for compost and casing

OPTIONS

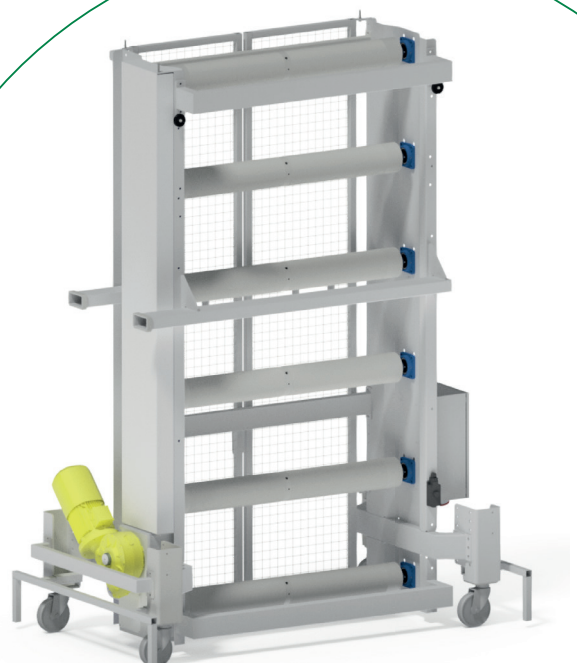
- Tip-up plateau
- Watering tube
- Watering system
- Higher versions for shelving taller than 6 levels
- Total weighing system for compost
- Dosing weighing systems for compost and casing
- Casing cover set for filling casing separately
- Extra levelling axle
- Electrically driven axles on the plateau
- Oil heating
- Oil cooling
- Automatic greasing system
- Additional controls and cabled pendant controls
- Frequency inverter for filling speeds other than 6.3 m/min
- Belts for high and low temperatures
- Caccing axle at the end of the casing plateau
- Safety guards around the head-end filling machine
- Adjustable bed widths
- Container frame for lifting onto a truck
- Data logging and analyser

PULLING WINCH FOR FILLING

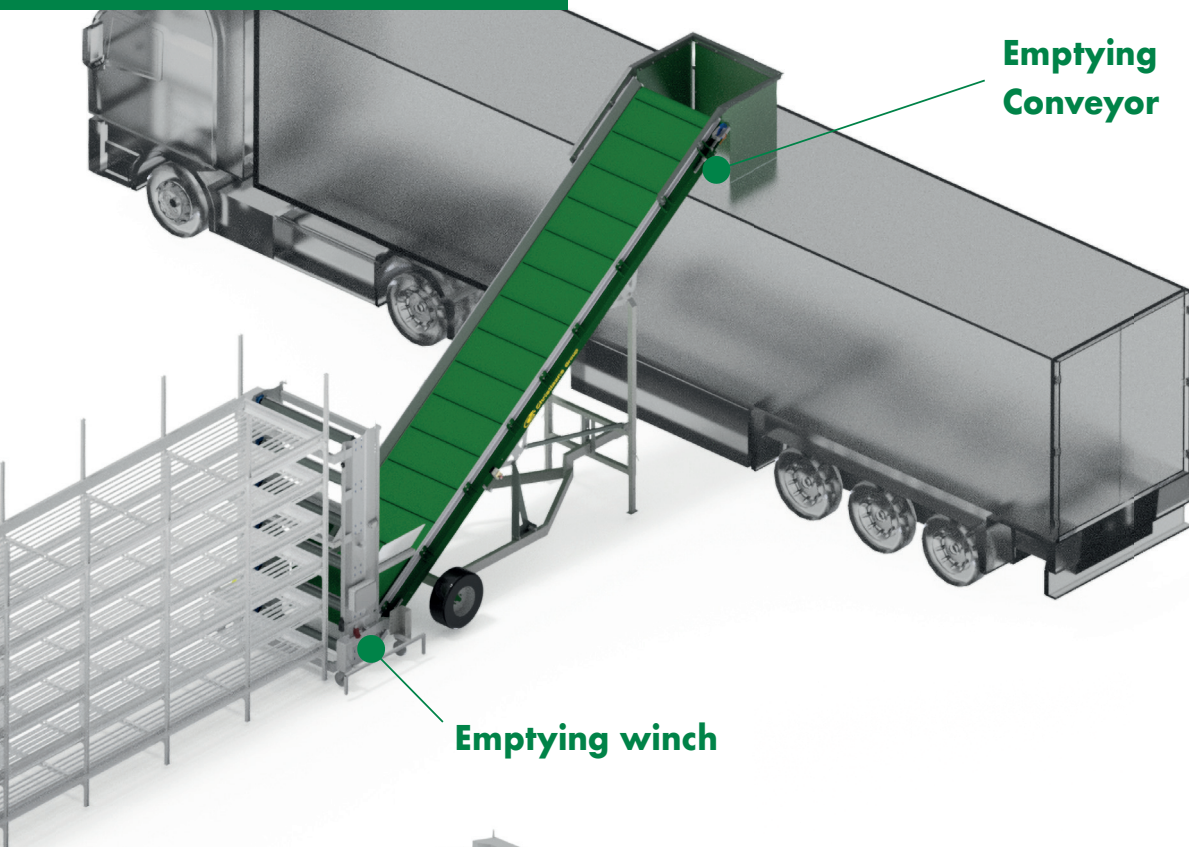
Used to pull the net containing substrate or casing into the shelves.

FEATURES

- Galvanised steel construction
- Mesh wire protection door
- Each drum can be declutched
- Brake motor
- Grooved rollers
- Galvanised steel cables
- Same number of net links as rollers supplied with the machine
- Frequency inverter (load and slip compensation, filling speed 3.8–8.8 m/min)
- Tilt protection
- Optional single-arm version
- Optional more powerful version for longer and/or wider shelving



EMPTYING



Emptying
Conveyor

Emptying winch



EMPTYING WINCH

Used to pull the net containing substrate or casing out of the shelves.

FEATURES

- Galvanised steel construction
- Each drum can be declutched
- Electric motor
- Smooth rollers
- Fixed speed: 8.7 m/min (may increase due to net on the roller)
- Tilt protection
- Optional single-arm version

EMPTYING CONVEYOR

Used to transport substrate and casing from the emptying winch to a truck, trailer, or container.

FEATURES

- Galvanised steel support frame
- Stainless steel conveyor frame
- Aluminium side boards
- Belt width: 1400 mm (optional 1600mm)
- Drum motor

TRANSPORT

COMPOST WAGON

Used to buffer, dose and transport substrate onto the filling conveyor to the head-end filling machine. This ensures an even flow of compost or casing, resulting in constant and even filling.

FEATURES

- Galvanised steel chassis with stainless steel sheeting in the bin
- Single wheel axle
- Chain floor drive with planetary gearbox
- Base speed adjustable via 3 presets
- Current of mixing axle measured and linked to frequency inverter to ensure even flow
- Kickback drum
- Cross-belt side output version



CASING WAGON

Used to buffer, dose, and transport substrate onto the filling conveyor to the head-end filling machine. This ensures an even flow of compost or casing, resulting in constant and uniform filling.

FEATURES

- Galvanised steel chassis with stainless steel sheeting in the bin
- Double wheels axle
- Chain floor drive with planetary gearbox
- Base speed adjustable via 3 presets
- Current of mixing axle measured and linked to frequency inverter to ensure even flow
- Kickback drum
- Centring conveyors

CASING BOX FOR MOVING FLOOR TRAILER

Used to dose and transport casing from an MF trailer onto the filling belt to the head-end filling machine. This ensures an even flow of casing, resulting in constant and uniform filling. We can also deliver MF trailers.

FEATURES

- Mostly stainless steel construction in the bin
- Driven by hydraulic motors
- Hydraulic power supplied by the truck via the trailer PTO and trailer
- Cross conveyors to convey to the filling conveyor to the head-end filling machine

